

CLAIMS

What is claimed as being new and desired to be protected by LETTERS PATENT of the United States is as follows:

1. (Canceled)

2. (Currently Amended) An environmental air treatment system comprising, in combination;

a living space comprising walls, ceiling and floor and having an enclosed space within said walls and ceiling;

a rooftop combination air intake and air exhaust housing having an internal hollow chamber, with a ~~thermal exchange~~ total energy heat exchanger, enthalpy exchanger, unit housed within the interior of the chamber forming an intake side and an exhaust side, with an exhaust opening and an intake opening;

a plurality of ducts forming a continuous duct work system;

a plurality of duct work registers;

an air movement fan housing coupled to the duct work and the registers and having contained therein a plurality of components comprising a fan and fan motor and a plurality of heat exchange units and a plurality of pipe connections coupling with the heat exchange unit;

a hot water source coupled to the heat exchanger;

a cooling tower with an electrically cooled cold water source coupled to the heat exchanger;

an electronically controlled thermostat; ~~and~~

a plurality of water ~~mixing~~ valves being coupled in-line of the hot and cold water supply pipes; and

a plurality of fire sprinkler outlets being coupled to the cold water source.

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)